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SEQUENCE LISTING

<110> The Government of the United States of America, as  
represented by the Secretary, Department of Health and Human  
Services, Office of Technology Transfer, National Institutes of  
Health  
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Notari, Luigi  
Laborda, Jorge  
Martinez, Julio Escribano

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<150> US 60/579,177

<151> 2004-06-12

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 Ala Pro Phe Leu Val Ala Asn Ala Thr His Ile Tyr Gly Ala Ser Ala  
 35 40 45  
 Gly Ala Leu Thr Ala Thr Ala Leu Val Thr Gly Ala Cys Leu Gly Glu  
 50 55 60  
 Ala Gly Ala Asn Ile Ile Glu Val Ser Lys Glu Ala Arg Lys Arg Phe  
 65 70 75 80  
 Leu Gly Pro Leu His Pro Ser Phe Asn Leu Val Lys Thr Ile Arg Gly  
 85 90 95  
 Cys Leu Leu Lys Thr Leu Pro Ala Asp Cys His Thr Arg Ala Ser Gly  
 100 105 110  
 Arg Leu Gly Ile Ser Leu Thr Arg Val Ser Asp Gly Glu Asn Val Ile  
 115 120 125  
 Ile Ser His Phe Ser Ser Lys Asp Glu Leu Ile Gln Ala Asn Val Cys  
 130 135 140  
 Ser Thr Phe Ile Pro Val Tyr Cys Gly Leu Ile Pro Pro Thr Leu Gln  
 145 150 155 160  
 Gly Val Arg Tyr Val Asp Gly Gly Ile Ser Asp Asn Leu Pro Leu Tyr  
 165 170 175  
 Glu Leu Lys Asn Thr Ile Thr Val Ser Pro Phe Ser Gly Glu Ser Asp  
 180 185 190  
 Ile Cys Pro Gln Asp Ser Ser Thr Asn Ile His Glu Leu Arg Ile Thr  
 195 200 205  
 Asn Thr Ser Ile Gln Phe Asn Leu Arg Asn Leu Tyr Arg Leu Ser Lys  
 210 215 220  
 Ala Leu Phe Pro Pro Glu Pro Met Val Leu Arg Glu Met Cys Lys Gln  
 225 230 235 240

## 1149908\_1.TXT

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 260 265 270  
 Asp Ala Glu Glu Ala Ala Val Thr Glu Glu Arg Thr Gly Gly Glu Asp  
 275 280 285  
 Arg Ile Leu Glu His Leu Pro Ala Arg Leu Asn Glu Ala Leu Leu Glu  
 290 295 300  
 Ala Cys Val Glu Pro Lys Asp Leu Met Thr Thr Leu Ser Asn Met Leu  
 305 310 315 320  
 Pro Val Arg Leu Ala Thr Ala Met Met Val Pro Tyr Thr Leu Pro Leu  
 325 330 335  
 Glu Ser Ala Val Ser Phe Thr Ile Arg Leu Leu Glu Trp Leu Pro Asp  
 340 345 350  
 Val Pro Glu Asp Ile Arg Trp Met Lys Glu Gln Thr Gly Ser Ile Cys  
 355 360 365  
 Gln Tyr Leu Val Met Arg Ala Lys Arg Lys Leu Gly Asp His Leu Pro  
 370 375 380  
 Ser Arg Leu Ser Glu Gln Val Glu Leu Arg Arg Ala Gln Ser Leu Pro  
 385 390 395 400  
 Ser Val Pro Leu Ser Cys Ala Thr Tyr Ser Glu Ala Leu Pro Asn Trp  
 405 410 415  
 Val Arg Asn Asn Leu Ser Leu Gly Asp Ala Leu Ala Lys Trp Glu Glu  
 420 425 430  
 Cys Gln Arg Gln Leu Leu Leu Gly Leu Phe Cys Thr Asn Val Ala Phe  
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20 25 30Leu Gln Val Leu Ser Asp Leu Val Arg Lys Ser Asn Ile Ile Phe Ser  
Page 17

Phe Leu Gln Gly Cys Cys Asn Val Gln Leu Ile Lys Ile Leu Val Asp  
 50 55 60

Phe Arg Val Val Asp Leu Cys Phe Ser Phe Arg Val Val Phe Ile Asp  
 65 70 75 80

Ala Thr Pro Tyr Tyr Lys Val Lys Phe Leu His Val Asp Ile Lys Leu  
 85 90 95

Leu Arg Leu Cys Thr Gly Leu Arg Phe Val Asp Leu Lys Gly Ile Leu  
 100 105 110

Arg Leu Ala Phe Glu Glu Lys Ile Cys Gln Gly Lys Ser Ser Ser Glu  
 115 120 125

Gly Met Asp Pro Glu Val Ala Met Pro Ser Trp Ala Asn Met Ser Leu  
 130 135 140

Asp Ser Ser Ser Ala Ala Leu Arg Leu Glu Gly Asp Leu Leu His Leu  
 145 150 155 160

Arg Ser Ile Leu Pro Trp Glu Ser Asp Thr Ser Pro Ala Thr Ser Glu  
 165 170 175

Met Lys Asp Lys Gly Gly Tyr Met Ser Lys Ile Cys Leu Ile Ile Met  
 180 185 190

Ser Tyr Val Leu Cys Val Ile Ala Ile Val Gln Val Thr Met Asp Val  
 195 200 205

Leu Leu Gln Trp Val Ser Gln Val Phe Thr Arg Val Leu Cys Leu Leu  
 210 215 220

Pro Ala Ser Arg Ser Gln Met Val Ser Ser Gln Gln Ala Ser Pro Cys  
 225 230 235 240

Thr Pro Glu Asp Trp Cys Trp Thr Cys Pro Lys Gly Cys Pro Ala Glu  
 245 250 255

Thr Lys Ala Glu Ala Thr Pro Arg Ser Ile Arg Ser Ser Asn Phe Phe  
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Leu Gly Asn Lys Val Pro Ala Gly Ala Glu Gly Leu Ser Ser Phe Ser  
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Glu Lys Ser Leu  
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Gly Leu Leu Asn Arg Pro Asn Pro Leu Leu Ala Leu Pro Pro Ala Arg  
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Pro His Gly Glu Pro Asp Lys Asp Gln Ala Val Glu Ser Ala Gln Ala  
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Glu Asp Tyr Ser Gln Leu Pro Gly Glu  
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Asp Pro Ala Pro Ala Pro Ala Asp Pro Ala Ser Pro Gln His Gln Leu  
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Ala Gly Pro Ala Pro Leu Leu Ser Thr Pro Ala Pro Glu Ala Arg Pro  
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Val Ile Gly Ala Leu Gly Leu  
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<400> 31

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<400> 32

Cys Ala Thr Tyr Val Ala Gly Leu Ser Gly Ser Thr Trp Tyr Met  
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<400> 33

Ser Leu Gln Gly Val Arg Tyr Val Asp Gly Gly Ile Ser Asp Asn Leu  
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Pro Leu Tyr Glu  
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Asp Pro Ala Leu  
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1 5 10 15

Pro Tyr Pro